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Patent Abstract   ✓ Add to cart

GER   2002-07-25   10065521 **Appliance and procedures to the Detektion of moved or standing objects by means of radar radiation
ANNOTATED TITLE- Vorrichtung und Verfahren zur Detektion von bewegten oder stehenden Objekten mittels Radarstrahlung**

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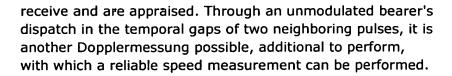**PATENT APPLICATION PRIORITY**- 10065521, A
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FILING LANGUAGE- German
LANGUAGE- German   NDN- 203-0499-2471-5

The present invention covers moved for itself on an appliance and a procedure to the Detektion or standing objects for radar radiation, especially for the use in motor vehicles. To the Objektdetektion, bearer vibrations, whose reflected, becomes pulse-modulate sent out, partial waves

receive and are appraised. Through an unmodulated bearer's dispatch in the temporal gaps of two neighboring pulses, it is another Dopplermessung possible, additional to perform, with which a reliable speed measurement can be performed.

EXEMPLARY CLAIMS- 1. Appliance to the Detektion of moved or standing objects by means of radar radiation. existing auseinem pulse generator (1). this as well with a first (3) and a second (4) narrow-band-y pulse modulator bandaged ist.einem high frequency oscillator (5). his/its exit signal through the first (3) and wirdeinem Sendekanal (28) modulates the second (4) narrow-band-y pulse modulator. this with the first narrow-band-y pulse modulator (3) interconnected is. Sendekanal meant with what pulse-modulated bearer signals or unmnodulierte bearer vibrations sends out. the one stipulated bearer frequency and a stipulated duration belongings-n.-one reception canal (29). her/it with the second narrow-band-y pulse modulator (4) bandaged ist.einem time dilatory limb (2) to the temporal postponement of the exit signal of the second narrow-band-y pulse modulator (4) on the reception canal (29). a mixer (12) to the mixture the from the reception antenna (11) of received part of the sending out one and reflected. it pulse-modulated of bearer signal with the exit signal of the second narrow-band-y pulse modulator (29) marked through it. that a switch (7) is intended in the Sendekanal between the pulse source (1) and the first narrow-band-y pulse modulator (3). this with an activated tax signal (9) to the turning on of a Dopplermessmoduses instead of the exit signal of the pulse generator (1) a rectangle signal with variable duration on the entrance of the first narrow-band-y pulse modulator (3) gives unddass in the reception canal (29) another switch (8) between the time dilatory limb (2) and the second narrow-band-y pulse modulator (4) is intended. this with an activated tax signal (9) to the turning on of a Dopplermessmoduses instead of the exit signal of the pulse generator (1) a rectangle signal with variable duration on the entrance of the second narrow-band-y pulse modulator (4) gives. 2. Appliance after claim 1, marked by it, that the appliance is used in a motor vehicle to the

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